OK

Depth 6	Contents 7	Reference to last Measurement 8

First & Final Bill

BR-381

M. A. R. 57 (Rule 116)
Measurement Book

No. B 259311

Serial No. .....
Name of Work Maintainance of Drilled BBMP Borewells in ward No-10. (Doddabommasandra), Vijayarangapura Sub-division. From ..... To .....
Name of Contractor of nature of Agency Sri. Devaraju. K. BRN: AA5/31 8/16
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Work Code No:- 010-16-00029.						
	Head of Account:- P1771 POW.						
	Administrative Approval No:- BBMP/EE/BTP/PR/206/15-16. Dt 14-12-2015.						
	Technical sanction No:- BBMP/EE/BTP/PR/215/15-16. Dt 14-12-2015.						
	Work orders No:- EE/BTP/BBMP/E-PMT/246/2015-16. Dt 26-02-2016.						
	Address of Agency:- Kothanur(P). Shidlaghatta(T) Chikkaballapura-DS.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1)	Item no - 1 to 33.	—	not - executed	—	—		
	EIRL						
34)	Earth work excavation for foundation of buildings, culverts, water supply, Sanitary line and electrical conduits either in pits or in trenches 1.5mt and above in width. in ordinary soil not exceeding 1.5mt in depth including dressing the bottom and sides of Pit) and benches, stacking the excavated soil clear from edges of excavation with lead up to 50mt.						
a)	Chamundeshwari Layout 1st Main Pillappa house, Ganesha Temple, SMBC house, 3rd Main, 5th Main & Byrasandra Cross Road	6	3.00	1.90	1.50 = 51.30cum		

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
b)	Nanjappa Layout, Patalappa house & 2nd Cross	2
c)	G. Krishna Murthy Layout	1
d)	Muthuraya Swamy Layout	1
e)	Doddabommasandra Main Road water point	1
f)	Kalleramma Layout Hanumaiah house	1
g)	Pillegowda Layout 7th Cross	1

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
		executed	
		of buildings, culverts, water supply, either in pits or in trenches 1.5mt exceeding 1.5mt in depth including and trenches, stacking the excavation with lead up to 50mt.	
·90	1·50 = 51.30cum		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259312

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
b)	Nanjappa Layout, Patalappa house 2nd cross	2	3·00	1·90	1·50 =	17.10cum	
c)	G. krishna Murthy Layout	1	3·00	1·90	1·50 =	8.55 cum	
d)	Muthurayaswamy Layout	1	3·00	1·90	1·50 =	8.55 cum	
e)	Doddabommasandra Main Road water Point	1	3·00	1·90	1·50 =	8.55 cum	
f)	Kalleramma Layout Hanumaiah house	1	3·00	1·90	1·50 =	8.55	
g)	Pillegowda Layout 7th Cross	1	3·00	1·90	1·50 =	8.55	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
h)	KNU 1st stage	1	3.00	1.90	1.50 =	8.55 cum	
i)	Bloom moon garden	1	3.00	1.90	1.50 =	8.55 cum	
					Total =	128.25 cum	
		@ Rs 182.86				Rs 23452.00	
	Above 1.5mtrs DEPTH Add 25% Extra						
		15	3.00	1.90	0.60 =	51.30 cum	
		@ Rs. 228.57				Rs 11726.00	
35)	providing and laying in position plain cement concrete of mix 1:4:8 with opc cement @ 180kgs with 40mm and down size graded granite metal coarse aggregate) @ 0.85 cum and fine aggregate) @ 0.57 cum machine						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	mixed, concrete laid in	
	foundation and plinth, incl	
a)		8x
b)		2x
c)		2
d)		2
e)		2
f)		2
g)		2
h)		4
i)		2

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
·90	1·50 =	8·55 cum	
·90	1·50 =	8·55 cum	
	Total =	128·25 cum	
		Rs 23452·00	
·90	0·60 =	51·30 cum	
		Rs 11726·00	

cement concrete of mix 1:4:8 with own size graded granite metal aggregate) @ 0·57 cum machine

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

259313

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	mixed, concrete laid in layers not exceeding 15cm thick, well compacted in foundation and plinth, including cost of all materials.						
a)		6x2	3·00	0·60	0·15 =	3·24 cum	
b)		2x2	3·00	0·60	0·15 =	1·08 cum	
c)		2	3·00	0·60	0·15 =	0·54 cum	
d)		2	3·00	0·60	0·15 =	0·54 cum	
e)		2	3·00	0·60	0·15 =	0·54 cum	
f)		2	3·00	0·60	0·15 =	0·54 cum	
g)		2	3·00	0·60	0·15 =	0·54 cum	
h)		2	3·00	0·60	0·15 =	0·54 cum	
i)		2	3·00	0·60	0·15 =	0·54 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
a)	C&F-C Measured	6X2	1.90	0.60	0.15 =	2.05 Cum	
b)		2X2	1.90	0.60	0.15 =	0.68 cum	
c)		2	1.90	0.60	0.15 =	0.34 cum	
d)		2	1.90	0.60	0.15 =	0.34 cum	
e)		2	1.90	0.60	0.15 =	0.34 cum	
f)		2	1.90	0.60	0.15 =	0.34 cum	
g)		2	1.90	0.60	0.15 =	0.34 cum	
h)		2	1.90	0.60	0.15 =	0.34 cum	
i)		2	1.90	0.60	0.15 =	0.34 cum	
					Total =	13.23 Cum	
			@ Rs 4823.15			Rs 63810.00	
30)	Providing and constructing granite/trap/basalt Size Stone masonary in foundation with cement mortar 1:6 stone hammered dressed in courses not less than 20cms high, bond stones at 2mt. apart in each course including cost of materials, Labour, curing complete as per specification.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
a)	
b)	
c)	
d)	
e)	
f)	
g)	
h)	
i)	
a)	
b)	
c)	

checked.

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

OOK

Depth 6	Contents 7	Reference to last Measurement 8
0.15 =	2.05 Cum	
0.15 =	0.68 Cum	
0.15 =	0.34 Cum	
0.15 =	0.34 Cum	
0.15 =	0.34 Cum	
0.15 =	0.34 Cum	
0.15 =	0.34 Cum	
0.15 =	0.34 Cum	
0.15 =	0.34 Cum	
Total =	13.23 Cum	

13.25

Rs 63810.00

63714.00

t Size stone masonary in
hammered dressed in courses not
t apart in each course including
e as per specifications.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 259314

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
a)		6x2	3.00	0.60	1.00 =	21.60 Cum	
b)		2x2	3.00	0.60	1.00 =	7.20 Cum	
c)		2	3.00	0.60	1.00 =	3.60 Cum	
d)		2	3.00	0.60	1.00 =	3.60 Cum	
e)		2	3.00	0.60	1.00 =	3.60 Cum	
f)		2	3.00	0.60	1.00 =	3.60 Cum	
g)		2	3.00	0.60	1.00 =	3.60 Cum	
h)		2	3.00	0.60	1.00 =	3.60 Cum	
i)		2	3.00	0.60	1.00 =	3.60 Cum	
a)		6x2	1.90	0.60	1.00 =	13.68 Cum	
b)		4	1.90	0.60	1.00 =	4.56 Cum	
c)		2	1.90	0.60	1.00 =	2.28 Cum	

checked.

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
d)		2	1.90	0.60	1.00 =	2.28 Cum	
e)		2	1.90	0.60	1.00 =	2.28 Cum	
f)		2	1.90	0.60	1.00 =	2.28 Cum	
g)		2	1.90	0.60	1.00 =	2.28 Cum	
h)		2	1.90	0.60	1.00 =	2.28 Cum	
i)		2	1.90	0.60	1.00 =	2.28 Cum	
	above Lnt						
a)		6x2	3.00	0.45	0.75 =	12.15 Cum	
b)		2x2	3.00	0.45	0.75 =	4.05 Cum	
c)		2	3.00	0.45	0.75 =	2.03 Cum	
d)		2	3.00	0.45	0.75 =	2.03 Cum	
e)		2	3.00	0.45	0.75 =	2.03 Cum	
f)		2	3.00	0.45	0.75 =	2.03 Cum	
g)		2	3.00	0.45	0.75 =	2.03 Cum	
h)		2	3.00	0.45	0.75 =	2.03 Cum	
i)		2	3.00	0.45	0.75 =	2.03 Cum	
a)		6x2	1.90	0.45	0.75 =	7.70 Cum	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work .....

Date	Full description, etc, of wo
1	2
b)	
c)	
d)	
e)	
f)	
g)	
h)	
i)	
	C&F e
	mason
37)	Providing flush p
	masonary with ce

NT BOOK

mensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
	0.60	1.00 =	2.28 Cum	
	0.60	1.00 =	2.28 Cum	
	0.60	1.00 =	2.28 Cum	
	0.60	1.00 =	2.28 Cum	
	0.60	1.00 =	2.28 Cum	
	0.60	1.00 =	2.28 Cum	
	0.45	0.75 =	12.15 Cum	
	0.45	0.75 =	4.05 Cum	
	0.45	0.75 =	2.03 Cum	
	0.45	0.75 =	2.03 Cum	
	0.45	0.75 =	2.03 Cum	
	0.45	0.75 =	2.03 Cum	
	0.45	0.75 =	2.03 Cum	
	0.45	0.75 =	2.03 Cum	
	0.45	0.75 =	2.03 Cum	
	0.45	0.75 =	2.03 Cum	
	0.45	0.75 =	7.70 Cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 259315

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
b)		2	1.90	0.45	0.75 =	2.57 Cum	
c)		2	1.90	0.45	0.75 =	1.28 Cum	
d)		2	1.90	0.45	0.75 =	1.28 Cum	
e)		2	1.90	0.45	0.75 =	1.28 Cum	
f)		2	1.90	0.45	0.75 =	1.28 Cum	
g)		2	1.90	0.45	0.75 =	1.28 Cum	
h)		2	1.90	0.45	0.75 =	1.28 Cum	
i)		2	1.90	0.45	0.75 =	1.28 Cum	
	C&F measurement 30/7/16				Total =	137.81 Cum	
		@ Rs 3933.52				Rs 542088.00	
37)	Providing flush pointing to square rubble, course or uncoursed stone masonary with cement mortar 1:4, 20mm deep, after raking joints to depth						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of 20mm nicely, lining, including cost of materials, labour carring complete as per specifications.						
a)		6x2	2.00		1.00 =	24.00 Sqm	
b)		2x2	2.00		1.00 =	8.00 Sqm	
c)		2	2.00		1.00 =	4.00 Sqm	
d)		2	2.00		1.00 =	4.00 Sqm	
e)		2	2.00		1.00 =	4.00 Sqm	
f)		2	2.00		1.00 =	4.00 Sqm	
g)		2	2.00		1.00 =	4.00 Sqm	
h)		2	2.00		1.00 =	4.00 Sqm	
i)		2	2.00		1.00 =	4.00 Sqm	
a)		6x2	1.90		1.00 =	22.80 Sqm	
b)		2x2	1.90		1.00 =	7.60 Sqm	
c)		2	1.90		1.00 =	3.80 Sqm	
d)		2	1.90		1.00 =	3.80 Sqm	
e)		2	1.90		1.00 =	3.80 Sqm	

M. A
M

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
f)		2
g)		2
h)		2
i)		2
	C/F measured 30/7/16	
		@ R
38)	Providing and laying in positio 1:2:4 with 20mm and down size and fine aggregates @ 0.45 cu exceeding (5cm), thick well c	

K

epth 6	Contents 7	Reference to last Measurement 8
	naterials, labour Carting	
00 =	24.00 Sqm	
00 =	8.00 Sqm	
00 =	4.00 Sqm	
00 =	4.00 Sqm	
00 =	4.00 Sqm	
00 =	4.00 Sqm	
00 =	4.00 Sqm	
00 =	4.00 Sqm	
00 =	4.00 Sqm	
00 =	22.80 Sqm	
00 =	7.80 Sqm	
00 =	3.80 Sqm	
00 =	3.80 Sqm	
00 =	3.80 Sqm	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259316

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
f)		2	1.90		1.00 =	3.80 Sqm	
g)		2	1.90		1.00 =	3.80 Sqm	
h)		2	1.90		1.00 =	3.80 Sqm	
i)		2	1.90		1.00 =	3.80 Sqm	
					Total =	117.00 Sqm	
			@ Rs 9143			Rs 10697.00	
38)	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.469 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted in foundation, plinth and cills.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Coping						
a)		6×2	3.00	0.45	0.10 =	1.62 cum	
b)		2×2	3.00	0.45	0.10 =	0.54 cum	
c)		2	3.00	0.45	0.10 =	0.27 cum	
d)		2	3.00	0.45	0.10 =	0.27 cum	
e)		2	3.00	0.45	0.10 =	0.27 cum	
f)		2	3.00	0.45	0.10 =	0.27 cum	
g)		2	3.00	0.45	0.10 =	0.27 cum	
h)		2	3.00	0.45	0.10 =	0.27 cum	
i)		2	3.00	0.45	0.10 =	0.27 cum	
a)		6×1	1.90	0.45	0.10 =	1.03 cum	
b)		2×2	1.80	0.45	0.10 =	0.34 cum	
c)		2	1.90	0.45	0.10 =	0.17 cum	
d)		2	1.90	0.45	0.10 =	0.17 cum	
e)		2	1.90	0.45	0.10 =	0.17 cum	
f)		2	1.90	0.45	0.10 =	0.17 cum	
g)		2	1.90	0.45	0.10 =	0.17 cum	

Serial No. .....

Name of Work ..... F

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numl
1	2	3
h)		2
i)	Cut e	2
3g)	providing T.M.T steel rein bending, hooking, placing i tying with binding wire an necessary complete of Per de paid) cost of materials, labour	

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
	0.10 =	1.62 Cum	
	0.10 =	0.54 Cum	
	0.10 =	0.27 Cum	
	0.10 =	0.27 Cum	
	0.10 =	0.27 Cum	
	0.10 =	0.27 Cum	
	0.10 =	0.27 Cum	
	0.10 =	0.27 Cum	
	0.10 =	0.27 Cum	
	0.10 =	1.03 Cum	
	0.10 =	0.34 Cum	
	0.10 =	0.17 Cum	
	0.10 =	0.17 Cum	
	0.10 =	0.17 Cum	
	0.10 =	0.17 Cum	
	0.10 =	0.17 Cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259317

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
h)		2	1.90	0.45	0.10 =	0.17 Cum	
i)		2	1.90	0.45	0.10 =	0.17 Cum	
					Total =	6.62 Cum	
				@ Rs 5222.77		Rs 34549.00	
3g)	providing T.M.T Steel reinforcement for R.C.C work including straightening cutting bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall be measured and paid) cost of materials, labour.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide previous measurements of this M.B No - 2594	of Page No - 259391			Total =	1.62 Qtl	
		@ Rs 5981867				Rs 97175.00	96 906.00
240)	Providing and removing centering, shuttering, strutting, propping etc. and removal of form work for vertical surface such as walls at any thickness including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specification covering slabs sides	15x5	5.00		0.25 =	93.75 Sqmt	18.75
		@ Rs 291.75				Rs 27352.00	5470.31

Serial No. .....
Name of Work .....
Name of Contractor of nature of A
Date of commencement of work ..

Date	Full description, etc, of
1	2
98)	providing and la M20 with OPC C metal, coarse ag concrete laid in foundation plint retaining walls, abutments pillars coping, bed block Deck slab

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
3391	Total =	1.629 M	
		Rs 97175.00	96 906.00
, Shuttering, propping etc. and such as walls at any thickness plinth and string courses per specification			
	0.25 =	73.75 Sqm	18.75
		Rs 27359.80	5990.31

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259318

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
98)	providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs with 20mm and down size graded granite metal, coarse aggregates @ 0.878 cum and fine aggregates machine mixed concrete laid in layers not exceeding 15cms thick vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets coping, bed blocks, anchor blocks, plain window cills, fillets etc						
	Deck slab	15	x 5	0.60	1.90 x 0.25 =	21.38 cum	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		@ Rs 5895.65				Rs 126020.00	
7/2	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading.						
	Qty vide Item No - 01					= 179.55 Cum	
	@ Rs 69.16					Rs 12418.00	
						Total Rs 9948912.00	
						Zadhav AE 28/7/16	

30/7/16

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Certificate ;-
	Certified that the ... issued from depot
	Zadhav AE 28/7/16

OK

Depth 6	Contents 7	Reference to last Measurement 8
	Rs	126020.00
at carriage rates) by Mechanical		
= 179.55 Qtm		
	Rs	12418.00
Total Rs		948912.00
	Zadhav AE 28/7/16	
Mo		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259319

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Certificate;-						
	certified that the above work done satisfactory and no-materials issued from department ally.						
	Zadhav AE 28/7/16						

MEASUREMENT BOOK

B-R

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
30/7/16						LP - 19706.00 TT - 9490.00 VAT - 37957.00 LWF - 9490.00 CESS - 949.00 Total - 77592.00	

Audited & Admitted to Rs 948910-00
87318-00
and Rs 77592-00
Accts. Supdt.
Byatarayanapura Dn
BBMP
14/8/16

First & Final Bill
SSR-210-107./16-17
30/07/2016.

Serial No. .....
Name of Work Development Work - Sanded in ward
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Work code NO;- 010 Head of Account;- Work order NO;- B Address of Agency;